

2-d oxy-isoguanosin s isot ric analogu s and isoguanosin containing oligonucleotides

Patent Number: US6147199

Publication date: 2000-11-14

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Requested Patent: EP0624161 (WO9312130), B1

Application Number: US19980086910 19980529

Priority Number (s): DE19914140463 19911209

IPC Classification: C07H21/00; C07H21/04

EC Classification: C07H19/04, C07H21/00C4, C07H21/00G

Equivalents: DE4140463, JP2621123B2, JP7500610T, WO9312130

Abstract

2'-Deoxyisoguanosine, isosteric analogues and isoguanosine derivatives of formulae I-V, processes for their production via compounds of the general formulae a or b and reaction with aryl isocyanates or from compounds of the general formulae VI-IX by photochemical irradiation. A further production process is the conversion of deoxyguanosines or guanosines by means of persilylation, reaction with ammonia and deamination in the 2 position. The compounds are suitable as pharmaceutical agents with antiviral efficacy.

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